FORM PTO-1449 (Modified) U.S. Department of Commerce Attorney Docket No. 015389-002940 Serial No.: 08/854,050 Patent and Francemark Office INFORMATION DISCIOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) Applicant: Thomas R. Cech et al. MIN O 1 1898, Group Art Unit: 1806 Filing Date: 05/09/97 (37 CFR § 1.98(b)) U.S. PATENT DOCUMENTS Serial A CATRIO Examiner Initials Issue Date Applicant / Patentee Class Subclass Filing Date Number 05/14/71 06/18/74 195 103.5 AA 3,817,837 Tanenholtz et al. 10/29/71 195 103.5 AB 3,850,752 11/26/74 Schuurs et al. 02/17/76 Kronick et al. 250 365 04/29/74 AÇ 3,939,350 06/30/75 12 424 ΑD 3,996,345 12/07/76 Ullman et al. 06/23/81 Litman et al. 435 7 11/24/78 AF 4,275,149 12/10/79 4,277,437 07/07/81 422 61 AF Maggio 08/07/80 435 7 12/28/82 Tom et al. AG 4,366,241 07/28/87 Mullis et al. 435 6 02/07/86 ΑH 4,683,195 435 91 10/25/85 07/28/87 Mullis ΑI 4,683,202 387 04/08/83 530 Cabilly et al. AJ 4,816,567 03/28/89 6 06/17/87 10/23/90 Mullis et al. 435 4,965,188 ΑK 12/10/96 Villeponteau et al. 435 91.3 10/27/94 ΑL 5,583,016 03/24/93 02/06/96 5,489,508 West et al. AM FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS Translation Document Subclass Country / Patent Office Class **Publication Date** Number Yes No 09/13/84 PCT G01N 33/54 AN WO 84/03564 OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) Om Zakian, "Telomeres: Beginning to Understand the End," Science 270:1601 [1995]; AO Blackburn and Gall, "A tandemly repeated sequence at the termini of the extrachromosomal ribosomal RNA genes in *Tetrahymena*," J. Mol. Biol., 120:33 [1978]; AP Oka et al., "Inverted terminal repeat sequence in the macronuclear DNA of Stylonychia pustulata," Gene 10:301 [1980]; AQ Klobutcher et al., "All gene-sized DNA molecules in four species of hypotrichs have the same terminal sequence and an unusual 3' terminus," Proc. Natl. Acad. Sci., 78:3015 [1981]; AR Lingner et al., "Telomerase RNAs of different ciliates have a common secondary structure and a permuted template," Genes Develop., AS Biessmann et al., "Addition of Telomere-Associated HeT DNA Sequences "Heals" Broken Chromosome Ends in Drosophilia," Cell 61:663 AT Sheen and Levis, "Transposition of the LINE-like retrotransposon TART to Drosophila chromosome termini," Proc. Natl. Acad. Sci., 91:12510 [1994]; AU Kipling and Cooke, "Hypervariable ultra-long telomeres in mice," Nature 347:400 [1990]; ΑV AW Starling et al., "Extensive telomere repeat arrays in mouse are hypervariable," Nucleic Acids Res., 18:6881 [1990]; Shampay and Blackburn, "Generation of telomere-length heterogeneity in Saccharomyces cerevisiae," Proc. Natl. Acad. Sci., 85:534 ΑX ΑY Lustig and Petes, "Identification of yeast mutants with altered telomere structure," Proc. Natl. Acad. Sci., 83:1398 [1986]; Sandell et al., "Transcription of yeast telomere alleviates telomere position effect without affecting chromosome stability," Proc. Natl. ΑZ Acad. Sci., 91:12061 [1994]; Mine Date Considered: Examiner EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
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